

Abstract

5 The present invention relates to a method and a device
for forming the intensity profile of a laser beam, in
particular for producing a homogeneous intensity profile,
the laser beam striking an optically addressable spatial
light modular (OASLM), whose local transmission or
reflection properties depend in nonlinear fashion on the
10 local illumination intensity. By using an OASLM of this
kind, a beam former is created, which, in principle,
without any additional external influence, automatically
generates a virtually rectangular beam profile, which is
independent of fluctuations in the initial intensity
15 distribution and is suited for use in any laser system at
all.

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